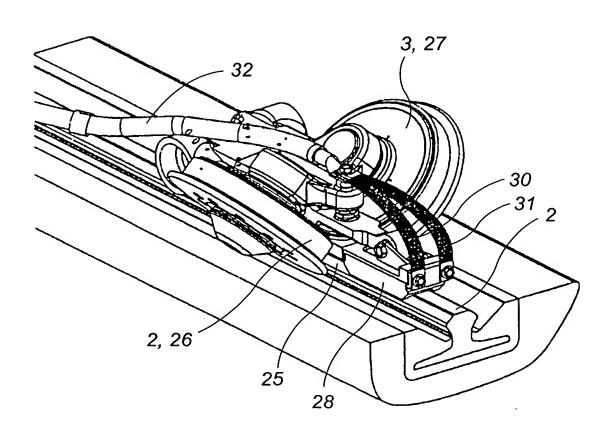


FIG.2



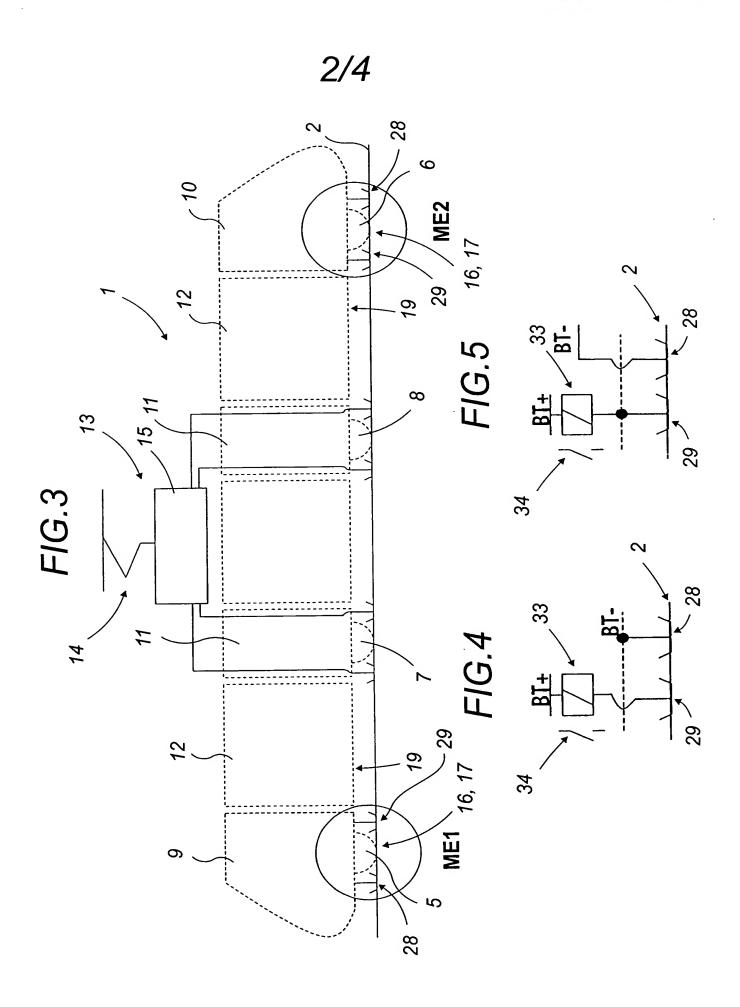


FIG.6

	State of	Shoes			
ME1		ME2		Potential	State of
Shoe 29	Shoe 28	Shoe 29	Shoe 28	Risk	Safety Loop
0	0	0	0	no	\otimes
0	0	0	1	no	\otimes
0	0	1	0	no	\otimes
0	0	1	1	no	\otimes
0	1	0	0	no	\otimes
0	1	0	1	YES	•
0	1	1	o	no	\otimes
0	1	1	1	YES	
1	0	0	0	по	$\mid \hspace{.1cm} \otimes \hspace{.1cm} \mid$
1	0	0	1	no	⊗⊗
1	0	1	o	no	
1	0	1	1	no	
1	1	o ¯	0	по	\otimes
1	1	О	1	YES	•
1	1	1	0	no	
1	1	1	1	YES	

0=shoe attached
l=shoe detached

Shoe 28 =

shoe connected to (-)

Shoe 29 =

shoe connected to (+)

Safety loop open

Safety loop closed

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FIG.7

	State of	Shoes		•				
ME1		ME2		Potential	State of			
Shoe 29	Shoe 28	Shoe 29	Shoe 28	Risk	Safety Loop			
0	0	0	0	no	\otimes			
0	o	0	1	no	\otimes			
0	0	1	0	по	\otimes			
0	0	1	1	no	\otimes			
0	1	0	o	no				
0	1	0	1	YES				
0	1	1	0	no:				
0	1	1	1	YES				
1	О	0	0	по	\otimes			
1	o	0	1	no:				
1	0	1	O	no				
1	0	1	1	no				
1	1	o	0	no				
1	1	0	1	YES				
1	1	1	0.	no				
1	1	1	1	YES				

0=shoe attached
1=shoe detached

Shoe 28 =

shoe connected to (-)

Shoe 29 =

shoe connected to (+)

Safety loop open

 $ar{igotimes}$ Safety loop closed